

Practitioner's	Docket	No.	317-127

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application Assistant Commissioner for Patents Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):

Hyang-Yul KIM and Seung-Hee LEE

WARNING: Patent must be applied for in the name(s) of all of the actual inventor(s). 37 CFR 1.41(a) and 1.53(b). For (title):

Method of Producing Two Domains within a Liquid Crystal Layer, and Liquid Crystal Display Device and Method of Manufacturing the Same

CERTIFICATION UNDER 37 C.F.R. 1.10* (Express Mail label number is mandatory.) (Express Mail certification is optional.)

as "Express	ify that this New Application Transmittal and the documents referred to as attached therein are being the United States Postal Service on this date $\frac{3}{3}\frac{3}{5$	
	Judith Schick	
	(type or print name of person majling paper)	
	Quai-l School	
	Signature of person mailing paper	
WARNING:	Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.	
WARNING:	Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b). "Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereor is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442	

(Application Transmittal [4-1]—page 1 of 9)

	f Application
This new	application is for a(n)
	(check one applicable Item below)
Ø	Original (nonprovisional)
	Design
- [□ Plant -
WARNING:	Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.
WARNING:	Do not use this transmittal for the filing of a provisional application.
TR	ne of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION ANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.
	Divisional.
	Continuation.
	Continuation-in-part (C-I-P).
2. Benefit	of Prior U.S. Application(s) (35 U.S.C. 119(e), 120, or 121)
cas of a AD	ne new application being transmitted is a divisional, continuation or a continuation-in-part of a parent e, or where the parent case is an International Application which designated the U.S., or benefit a prior provisional application is claimed, then check the following item and complete and attach DED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICA- IN(S) CLAIMED.
WARNING:	If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.
WARNING:	When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).
1	The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.
3. Papers (Regula	Enclosed That Are Required for Filing Date under 37 C.F.R. 1.53(b) ar) or 37 C.F.R. 1.153 (Design) Application
_	ges of specification
	ges of claims
1	ges of Abstract
` .	eets of drawing
区 1	formal
Πi	nformal

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. Comments on proposed new 37 CFR 1.84. Notice of March 9, 1988 (1990 O.G. 57-32). NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page." 37 C.F.R. 1.84(c)). (complete the following, if applicable) ☐ The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b). 4. Additional papers enclosed ☐ Preliminary Amendment ☐ Information Disclosure Statement (37 C.F.R. 1.98) Form PTO-1449 (PTO/SB/08A and 08B) ☐ Declaration of Biological Deposit ☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence. ☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative ☐ Special Comments □ Other 5. Declaration or oath Enclosed Executed by (check all applicable boxes) inventor(s). legal representative of inventor(s). 37 CFR 1.42 or 1.43. ☐ joint Inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached. ☐ This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 13 below for fee. □ Not Enclosed. WARNING: Where the filing is a completion in the U.S. of an International Application, but where a declaration is not available, or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-inpart, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

	Application is made by a person authorized under 37 C.F.R. 1.41(c) on behalf of all the above named inventor(s).
(The declar	ation or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently).
NOTE: It is it	mportant that all the correct inventor(s) are named for filing under 37 CFR 1.41(c) and 1.53(b).
	Showing that the filing is authorized. (not required unless called into question. 37 CFR 1.41(d))
6. Inventor	ship Statement
(If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.
The invento	orship for all the claims in this application are:
	ne same.
	or
☐ No the	ot the same. An explanation, including the ownership of the various claims at e time the last claimed invention was made,
	is submitted.
	will be submitted.
7. Language	е
A vent requin	plication including a signed oath or declaration may be filed in a language other than English. fied English translation of the non-English language application and the processing fee of \$130.00 and by 37 CFR 1.17(k) is required to be filed with the application, or within such time as may be the Office. 37 CFR 1.52(d).
NOTE: A non 37 CF	-English oath or declaration in the form provided or approved by the PTO need not be translated. R 1.69(b).
⊠ En	glish
□ No	on-English
	The attached translation is a verified translation, 37 C.F.R. 1.52(d).
8. Assignme	• •
🖄 An	assignment of the invention to Hyundai Electronics Industries Co., Ltd
	Ich'on, Kyoungki-do, Republic of Korea
⊠	is attached. A separate ☑ "COVER SHEET FOR ASSIGNMENT (DOCU- MENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.
	will follow.
NOTE: "If an a and or	assignment is submitted with a new application, send two separate letters-one for the application ne for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).
WARNING: A	newly executed "CERTIFICATE UNDER 37 CFR 3.73(b)" must be filed when a continuation-in-part oplication is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

9.	Ce	rtifie	d Co	Dν
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Certified copy(les) of ap	plication(s)		
Rep. of Korea	97-22108		May 30, 1997
Country	Appln. No.		Filed
Country	Appln. No.		Fi le d
Country	Appln. No.		Filed
from which priority is clair	med		
🖾 is (are) attache	d.		
☐ will follow.			
NOTE: The foreign applicatio declaration. 37 CFR 1	n forming the basis for the claim for 55(a) and 1.63.	r priority must be	referred to in the oath o
120 is itself entitled to PAGES FOR NEW AP CLAIMED.	reign priority for which the application of the priority from a prior foreign application from which this priority from a prior foreign application PLICATION TRANSMITTAL WHERE	is application claim	ms benefit under 35 U.S.C.
A. XI Regular applica	tion		
	CLAIMS AS FILED		
Number filed	Number Extra	Rate	Basic Fee 37 C.F.R. 1.16(a) \$790.00
Total Claims (37 CFR 1.16(c))	f-20 = 24 x	\$ 22.00	528
Independent Claims (37 CFR 1.16(b))	- 3 = 6 ×	\$ 82.00	492
Multiple dependent claim(s if any (37 CFR 1.16(d))	s), +	\$270.00	
☐ Amendment car	ncelling extra claims is enclo	sed	
	eting multiple-dependencies		
	aims is not being paid at thi		
NOTE: If the fees for extra clain	ns are not paid on filing they must be of the time period set for response	naid or the eleim	cancelled by amendment, d Trademark Office in any
	Filing Fee Calculation		\$ 1,810.00

В.		Design application (\$330.00—37 CFR	1.16(f))	
			Filing Fee Calculation	\$
C.		Plant application (\$540.00—37 CFR	1.16(g))	
			Filing fee calculation	\$
11.	Sma	II Entity Statement	(s)	
		Verified Statement(1.27 is (are) attach		small entity under 37 CFR 1.9 and
WAI	RNING	including applications or patent in which the under 35 U.S.C. 119(filed in the prior appl statement in the prior	or patents which are directly or status has been established. A r p), 120, 121 or 365(c) of a prior a ication if the nonprovisional app	s not affect any other application or patent, indirectly dependent upon the application nonprovisional application claiming benefit oplication may rely on a verified statement lication includes a reference to a verified of the verified statement filed in the prior I desired." 37 C.F.R. § 1.28(a).
		(con	nplete the following, if app	olicable)
		Status as a small of	entity was claimed in prior	application
		/	, filed on	, from which benefit
			r this application under:	
		35 U.S.C. 11 12 12 36	0, 1,	
		and which status	as a small entity is still pe	roper and desired.
		☐ A copy of the	verified statement in the	prior application is included.
		Filing Fee Calc	ulation (50% of A, B or C	above)
			\$	
NOT	W	ny excess of the full fee ithin 2 months of the dat nder § 1.136. 37 CFR 1.	e of timely payment of a full fee	I statement and a refund request are filed . The two-month period is not extendable
12.	Requ	est for Internation	al-Type Search (37 C.F.F	R. 1.104(d))
			(complete, if applicable)
		Please prepare an in when national example.	nternational-type search re nination on the merits tak	port for this application at the time es place.

13.	Fee Pay	ment Being Made at This Time		
	□ No	ot Enclosed		
		No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. 1.16 quently.)	S(e) can be	e paid subse-
	⊠ Er	closed		-
	×	Filing fee	\$	1,810.00
	Ø	Recording assignment (\$40.00; 37 C.F.R. 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".)	·	40.00
		Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. 1.47 and 1.17(h))	\$.	
		For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. 1.52(d) and 1.17(k))	\$.	
		Processing and retention fee (\$130.00; 37 C.F.R. 1.53(d) and 1.21(l))	\$	
			\$	
NOTE	1.53 au filing fe	R 1.21(f) establishes a fee for processing and retaining any application oplete the application pursuant to 37 CFR 1.53(d) and this, as we not 1.78, indicate that in order to obtain the benefit of a prior U.S. we must be paid, or the processing and retention fee of § 1.21(f) mustion under § 53(d).	n that is aban Il as the cha application	nges to 37 CFR
		Total fees enclosed	\$	850.00
		of Payment of Fees	ı	
	Ø Che	eck in the amount of \$_1,850.00		
	\$		in the	amount of
		luplicate of this transmittal is attached.		
NOTE	: Fees st 1.22(b).	nould be itemized in such a manner that it is clear for which purpos	se the fees a	re paid. 37 CFR

15. Authorization to Charge Additional Fees WARNING: If no fees are to be paid on filing, the following items should not be completed. WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized. The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 23-0442 37 C.F.R. 1.16(a), (f) or (g) (filing fees) 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims) NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 CFR 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action. 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application) ☐ 37 C.F.R. 1.17 (application processing fees) WARNING: While 37 CFR 1.17(a), (b), (c) and (d) deal with extensions of time under § 1.136(a), this authorization should be made only with the knowledge that: "Submission of the appropriate extension fee under 37 C.F.R. 1.136(a) is to no avail unless a request or petition for extension is filed." (Emphasis added). Notice of November 5, 1985 (1060 O.G. 27). 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b)) NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 CFR 1.311(b). NOTE: 37 CFR 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . issue fee." From the wording of 37 CFR 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity. 16. Instructions as to Overpayment ☐ Refund 31,391 Reg. No. Francis J. Maguire (type or print name of attorney) Tel. No. 203) 261-1234 WARE, FRESSOLA, VAN DER SLUYS & ADOLPHSON LLF P.O. Address Customer No. 755 Main Street, PO Box 224 Monroe CT 06468

	Incor	poration by reference of added pages
		(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)
		Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S Application(s) Claimed
		Number of pages added
		Plus Added Pages for Papers Referred to in Item 4 Above
		Number of pages added
		Plus "Assignment Cover Letter Accompanying New Application"
		Number of pages added
X	State	ment Where No Further Pages Added
	/	(if no further pages form a part of this Transmittal, then end this Transmittal with this page and check the following item)
	Ø	This transmittal ends with this page.